

What is Claimed is:

1. A plastic lens produced by injection molding of resin material, comprising:

5 a flange part on a periphery of a lens surface, a flange surface on at least one side of the flange part having a part higher than the lens surface and a depressed part formed on at least a part thereof; and

10 a marking integrally molded by injection molding to a marking surface of the depressed part, a highest point of the marking being lower than a highest point of the flange surface.

15 2. A plastic lens according to Claim 1, wherein the flange part has a cutout portion in an outer side surface thereof.

20 3. A plastic lens according to Claim 1, wherein the flange surface is mirror-finished at least in a vicinity of an area where the marking is formed.

4. A plastic lens produced by injection molding of resin material, comprising:

25 a flange part on a periphery of a lens surface, a flange surface on at least one side of the flange

part having a part higher than the lens surface; and
a marking integrally molded to the flange
surface by injection molding, for identifying a
production jig used to produce the lens.

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5. A plastic lens according to Claim 4, wherein
a highest point of the marking is lower than a highest
point of the flange surface.

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6. A plastic lens according to Claim 4, wherein
the marking is formed in a depressed part of the flange
surface.

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7. A plastic lens according to Claim 4, wherein
the flange part has a cutout portion in an outer side
surface thereof.

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8. A plastic lens according to Claim 4, wherein
the flange surface is mirror-finished at least in a
vicinity of an area where the marking is formed.

9. An optical pickup device having the lens
according to Claim 1.

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10. An optical pickup device having the lens
according to Claim 4.

11. A method of manufacturing a plastic lens produced by injection molding of resin material in a mold cavity, the lens having a marking on a different part from an optical functional part, comprising the steps of:

5 providing a mold part for one side comprising a first mold member and a second mold member, the first mold member and the second mold member forming a part of the mold cavity;

10 providing a mold part for other side to form the mold cavity cooperable with the mold part for one side when assembled;

15 injecting resin material into the mold cavity; forming the optical functional part of one side of the lens, with the first mold member; and

forming the different part of one side of the lens than the optical functional part and the marking thereon, with the second mold member.

20 12. A method of manufacturing a plastic lens according to Claim 11, wherein the different part of one side of the lens than the optical functional part comprises a flange part on a periphery of a lens surface, and a boundary between the first mold member and the second mold member is located near an

innermost periphery of the flange part of the lens.

13. A method of manufacturing a plastic lens
according to Claim 11, wherein the different part of
5 one side of the lens than the optical functional part
comprises a flange part on a periphery of a lens
surface, and a flange surface of the flange part of
the lens comprises a depressed part on at least a part
thereof and a marking integrally molded to the
10 depressed part by injection molding.

14. A method of manufacturing a plastic lens
according to Claim 11, wherein the different
part of one side of the lens than the optical
15 functional part comprises a flange part on a
periphery of a lens surface, and

the flange part of the lens comprises a flange
surface on at least one side thereof, the flange
surface having a part higher than the lens surface
and a depressed part on at least a part thereof, and
20 a marking integrally molded by injection molding to
a marking surface of the depressed part, a highest
point of the marking being lower than a highest point
of the flange surface.

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15. A method of manufacturing a plastic pickup

lens according to Claim 11, wherein the different part of one side of the lens than the optical functional part comprises a flange part on a periphery of a lens surface, and a flange surface of the flange part comprises a cutout portion in an outer side surface thereof.

16. A method of manufacturing a plastic lens according to Claim 11, wherein the different part of one side of the lens than the optical functional part comprises a flange part on a periphery of a lens surface, and a flange surface of the flange part is mirror-finished at least in a vicinity of an area where the marking is formed.

15 17. A method of production tracing management of a plastic lens produced by injection molding of resin material, comprising the steps of:

20 manufacturing the plastic lens comprising a flange part on a periphery of a lens surface, a flange surface on at least one side of the flange part having a part higher than the lens surface; and a marking integrally molded to the flange surface by injection molding; and

25 tracing production of the lens by use of the marking formed on the lens.

18. A method of production tracing management of a plastic lens produced by injection molding of resin material, comprising the steps of:

5 manufacturing the plastic lens comprising a flange part on a periphery of a lens surface, a flange surface on at least one side of the flange part having a part higher than the lens surface; and a marking integrally molded to the flange surface by injection molding, a highest point of the marking being lower than a highest point of the flange surface; and

10 tracing production of the lens by use of the marking formed on the lens.

15 19. A method of production tracing management of a plastic lens according to Claim 17, wherein a position of the marking is circumferentially different on the flange surface to distinguish production.

20 20. A method of production tracing management of a plastic lens according to Claim 17, wherein the marking is formed in at least one place, and a shape of the marking is different to distinguish production.

21. A mold for manufacturing a plastic lens produced by injection molding of resin material, the lens having a marking on a part different from an optical functional part, a mold at a side where a marking will be formed comprising:

5 a first mold member to form an optical functional part of one side of the lens, and

10 a second mold member to form a part different from the optical functional part of one side of the lens, the second mold member being separatable from the first mold member and having a portion to form the marking.